

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|---|--|
| Applicant's or agent's file reference P28921-/PPP | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/GB 01/ 02189 | International filing date (day/month/year) 17/05/2001 | (Earliest) Priority Date (day/month/year) 20/05/2000 |
| Applicant BETTERIDGE, John, W. | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

1

None of the figures.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The exterior surface of a pipe (90) is coated around its full perimeter without rotation of the pipe (90) or the complete coating apparatus (10). In one example, the coating apparatus includes coating heads (42) attached to a rotor with the coating material supplied under positive air pressure via a stator. The coating heads rotate with the rotor and eject coating material onto the exterior surface of the pipe. In a second example, the coating apparatus is stationary and coating material is delivered under positive air pressure through chambers within the apparatus.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B05B13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | GB 2 285 592 A (HEAT PIPELINE INDUCTION LTD) 19 July 1995 (1995-07-19) | 1,6-8, 10-14 |
| A | page 5, line 11 -page 6, line 19 page 7, line 15 - line 21 --- | 4,9,15 |
| A | US 3 208 868 A (SVEN BACKLUND ET AL) 28 September 1965 (1965-09-28) column 3, line 51 - line 73; figures 1,2 column 4, line 38 -column 5, line 25 --- | 16,18, 22-24 |
| A | US 5 725 668 A (HEDRICK JEFFREY C ET AL) 10 March 1998 (1998-03-10) column 3, line 48 -column 4, line 35; figures 1,2 column 4, line 8 -column 5, line 22 --- | 16,18, 20,21,23 |
| | -/- | |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- A* document defining the general state of the art which is not considered to be of particular relevance
- E* earlier document but published on or after the international filing date
- L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O* document referring to an oral disclosure, use, exhibition or other means
- P* document published prior to the international filing date but later than the priority date claimed

- T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- &* document member of the same patent family

Date of the actual completion of the international search

14 December 2001

Date of mailing of the international search report

21/12/2001

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Jelercic, D

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| International Application No |
| PCT/GB 01/02189 |

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | GB 1 009 055 A (BANISTER CONSTRUCTION COMPANY) 3 November 1965 (1965-11-03) page 5, line 66 -page 6, line 22; figures 9-11 --- | 16,23 |
| A | GB 2 233 253 A (PIPETEX LIMITED) 9 January 1991 (1991-01-09) page 5, line 9 -page 7, line 5; figures 1-3 --- | 1,12 |
| A | US 2 357 144 A (STAIR CARLYLE B) 29 August 1944 (1944-08-29) page 1, column 2, line 36 - line 22; figures 3,4 --- | 1,12 |
| A | US 5 207 833 A (HART MILBURN L) 4 May 1993 (1993-05-04) column 5, line 62 -column 6, line 59 --- | 1,10,12 |
| A | DE 580 956 C (OTTO HEINRICH) 6 July 1933 (1933-07-06) the whole document ----- | 1,12 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 01/02189

| Patent document cited in search report | Publication date | Patent family member(s) | | | Publication date |
|--|------------------|-------------------------|------------|--|------------------|
| GB 2285592 | A 19-07-1995 | NONE | | | |
| US 3208868 | A 28-09-1965 | DE 1427625 A1 | 31-10-1968 | | |
| | | FR 1309661 A | 16-11-1962 | | |
| | | GB 976327 A | 25-11-1964 | | |
| | | NL 131679 C | | | |
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| US 5725668 | A 10-03-1998 | NONE | | | |
| GB 1009055 | A 03-11-1965 | FR 1380805 A | 04-12-1964 | | |
| GB 2233253 | A 09-01-1991 | NONE | | | |
| US 2357144 | A 29-08-1944 | NONE | | | |
| US 5207833 | A 04-05-1993 | NONE | | | |
| DE 580956 | C | NONE | | | |

Patents Act 1977
 Examiner's report to the Comptroller under Section 17
 (the Search report)

Application number
 GB 9400434.8

Relevant Technical Fields

(i) UK Cl (Ed.M) B2L (LCDC)
 (ii) Int Cl (Ed.5) B05B 13/02, 13/04, 13/06

Search Examiner
 Mr G J W Russell

Date of completion of Search
 17 May 1994

Databases (see below)

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

Documents considered relevant following a search in respect of Claims :-
 1-23

(ii) ONLINE DATABASES : WPI

Categories of documents

X: Document indicating lack of novelty or of inventive step.
 Y: Document indicating lack of inventive step if combined with one or more other documents of the same category.
 A: Document indicating technological background and/or state of the art.

P: Document published on or after the declared priority date but before the filing date of the present application.
 E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.
 &: Member of the same patent family; corresponding document.

| Category | Identity of document and relevant passages | Relevant to claim(s) |
|----------|---|----------------------|
| A | US 5207833 (COMMERCIAL RESINS) see column 3 lines 50-52 | 9 |
| X | US 3847353 (WYNNE) see column 2 lines 20-39; column 3 lines 54-67 and column 5 line 6 | 1-3,7 |

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).